

ABSTRACT OF THE DISCLOSURE

A rotational sensor of a motor includes a sensor magnet and a sensing element. The sensor magnet is secured to a driving-side rotator of a clutch, which is connected to a rotatable shaft of the motor, to rotate integrally therewith. The sensing element measures a rotational speed of the sensor magnet. Furthermore, the sensing element is secured to a motor case in such a manner that the sensing element opposes the sensor magnet.